

# Standard Analysis Certificate

**PRODUCT** :FORMIC ACID 99% RPE-ACS Reag.Ph.Eur. -Reag.USP  
**CODE** :405790  
**METHOD** :7033

TEST	U.M.	SPECIFICATION
Description	-	Clear liquid
Colour (APHA)	-	<=10
Water miscibility	-	Conform
Density at 20° C	-	1.218 ÷ 1.222
Refractive index at 20°C	-	1.3709 ÷ 1.3719
Boiling point	°C	100.2 ÷ 101.2
Residue on evaporation	ppm	<=20
Acetic acid	ppm	<=500
Ammonium	ppm	<=10
Total nitrogen	ppm	<=20
Chloride	ppm	<=5
Heavy metals (Pb)	ppm	<=2
Oxalate	ppm	<=50
Sulphate	ppm	<=5
Sulphite	ppm	<=10
Ag	ppm	<=0.02
Al	ppm	<=0.05
Ba	ppm	<=0.05
Bi	ppm	<=0.1
Ca	ppm	<=0.2
Cd	ppm	<=0.05
Co	ppm	<=0.02
Cr	ppm	<=0.05
Cu	ppm	<=0.02
Fe	ppm	<=2
K	ppm	<=0.1
Li	ppm	<=0.02
Mg	ppm	<=0.5
Mn	ppm	<=0.05
Mo	ppm	<=0.02
Na	ppm	<=0.5
Ni	ppm	<=0.2
Pb	ppm	<=0.02
Sr	ppm	<=0.02
V	ppm	<=0.05
Zn	ppm	<=0.05
Assay (acidimetric)	%	>=98

Date

:11/01/2020

QUALITY CONTROL RESPONSIBLE

B. COULANGE (VDR)